

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10 (canceled).

11 (currently amended). An information transmission system for a tire pressure measuring system of a motor vehicle having a vehicle body and tires, the information transmission system comprising:

a plurality of transmitters each transmitter having at least one transmitter coupling element for emitting primarily an electric near field;

an infrastructure body having an electrically conducting conductor element electrically insulated from ground, wherein the electric field is coupled into said conductor element; and

, a central receiver having a receiver coupling element for coupling out the electric field transmitted in said conductor element;

said conductor element being a part of the vehicle body of
the motor vehicle and each tire of the motor vehicle has
one of said transmitters disposed therein, and said
central receiver disposed on the vehicle in a vicinity of
said conductor element.

12 (original). The information transmission system according to claim 11, wherein said conductor element is connected for directly coupling the electric field into said conductor element.

13 (original). The information transmission system according to claim 11, wherein said conductor element is disposed for coupling the electric field into said conductor element by capacitive coupling.

14 (original). The information transmission system according to claim 11, wherein said conductor element is made of a substantially homogeneous material, and an electrical conductivity of said conductor element is time-invariant.

15 (original). The information transmission system according to claim 11, wherein said conductor element has an electrical impedance with respect to ground potential.

16 (original). The information transmission system according to claim 11, wherein said conductor element is an unbalanced conductor element configured to utilize ground potential as a return line for transmission of information.

17 (original). The information transmission system according to claim 11, wherein the electric field is modulated with information to be transmitted.

18 (original). The information transmission system according to claim 17, wherein a carrier frequency lies approximately between 5 MHz and 50 MHz.

19 (canceled).

20 (canceled).

21 (canceled).